



SEQUENCE LISTING

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Czermak, Boris

<120> Compositions and Methods for the Treatment of Sepsis

<130> UM-04594

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<160> 82

<170> PatentIn Ver. 2.0

<210> 1

<211> 77

<212> PRT

<213> Rattus norvegicus

<400> 1

Asp Leu Gln Leu Leu His Gln Lys Val Glu Glu Gln Ala Ala Lys Tyr
1 5 10 15

Lys His Arg Val Pro Lys Lys Cys Cys Tyr Asp Gly Ala Arg Glu Asn
20 25 30

Lys Tyr Glu Thr Cys Glu Gln Arg Val Ala Arg Val Thr Ile Gly Pro
35 40 45

His Cys Ile Arg Ala Phe Asn Glu Cys Cys Thr Ile Ala Asp Lys Ile
50 55 60

Arg Lys Glu Ser His His Lys Gly Met Leu Leu Gly Arg
65 70 75

<210> 2

<211> 20

<212> PRT

<213> Rattus norvegicus

<400> 2

Lys His Arg Val Pro Lys Lys Cys Cys Tyr Asp Gly Ala Arg Glu Asn
1 5 10 15

Lys Tyr Glu Thr
20

<210> 3

<211> 74

<212> PRT

<213> Homo sapiens

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<400> 3
 Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
 1 5 10 15
 Val Val Lys Lys Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu
 20 25 30
 Thr Cys Glu Gln Arg Ala Ala Arg Ile Ser Leu Gly Pro Arg Cys Ile
 35 40 45
 Lys Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg Ala Asn
 50 55 60
 Ile Ser His Lys Asp Met Gln Leu Gly Arg
 65 70

<210> 4
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 4
 Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
 1 5 10 15
 Val Val Lys Lys
 20

<210> 5
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 5
 Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
 1 5 10 15
 Arg Ala Ala Arg
 20

<210> 6
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 6
 Cys Val Val Ala Ser Gln Leu Arg Ala Asn Ile Ser His Lys Asp Met
 1 5 10 15
 Gln Leu Gly Arg
 20

<210> 7
 <211> 74
 <212> PRT
 <213> Bos taurus

<400> 7
 Met Leu Lys Lys Lys Ile Glu Glu Glu Ala Ala Lys Tyr Arg Asn Ala
 1 5 10 15
 Trp Val Lys Lys Cys Cys Tyr Asp Gly Ala His Arg Asn Asp Asp Glu
 20 25 30
 Thr Cys Glu Glu Arg Ala Ala Arg Ile Ala Ile Gly Pro Glu Cys Ile
 35 40 45
 Lys Ala Phe Lys Ser Cys Cys Ala Ile Ala Ser Gln Phe Arg Ala Asp
 50 55 60
 Glu His His Lys Asn Met Gln Leu Gly Arg
 65 70

<210> 8
 <211> 74
 <212> PRT
 <213> Sus scrofa

<400> 8
 Met Leu Gln Lys Lys Ile Glu Glu Glu Ala Ala Lys Tyr Lys Tyr Ala
 1 5 10 15
 Met Leu Lys Lys Cys Cys Tyr Asp Gly Ala Tyr Arg Asn Asp Asp Glu
 20 25 30
 Thr Cys Glu Glu Arg Ala Ala Arg Ile Lys Ile Gly Pro Lys Cys Val
 35 40 45
 Lys Ala Phe Lys Asp Cys Cys Tyr Ile Ala Asn Gln Val Arg Ala Glu
 50 55 60
 Gln Ser His Lys Asn Ile Gln Leu Gly Arg
 65 70

<210> 9
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 9
 gatccagtat gttgcaaaaa aaaattgaag aaattgctgc taaatataaa cattctgttg 60
 ttaaaaaatg ttgttatgat ggagcttctg ttaataatga tgaaacctgc gaacaacgcg 120
 ctgctagaat ttctttggga cctagatgta ttaaagcatt tacagaatgt tgtgttggtg 180
 cttctcaatt gaggcgaata tttctcataa agatatgcaa ttgggaagat aggatccgtc 240
 ga 242

<210> 10
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 10
 atgttgcaaa aaaaaattga agaaattgct gctaaatata aacattctgt tgttaaaaaa 60

<210> 11
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 11
tggtgttatg atggagcttc tgttaataat gatgaaacct gcgaacaacg cgctgctaga 60

<210> 12
<211> 231
<212> DNA
<213> Rattus norvegicus

<400> 12
gacctgcagc tcctgcatca gaaagtggaa gaacaagctg ctaaatacaa acaccgtgtg 60
cccaagaaat gctgttatga tggagcccga gaaaacaaat acgaaacctg tgagcagcga 120
gttgcccggg tgaccatagg cccacactgc atcagggcct tcaacgagtg ttgtactatt 180
gcgataaga tccgaaaaga aagccaccac aaaggcatgc tgttggaag g 231

<210> 13
<211> 60
<212> DNA
<213> Rattus norvegicus

<400> 13
aaacaccgtg tgcccaagaa atgctgttat gatggagccc gagaaaacaa atacgaaacc 60

<210> 14
<211> 9
<212> PRT
<213> Homo sapiens

<400> 14
Lys Tyr Lys Lys His Ser Val Val Lys Lys
1 5

<210> 15
<211> 6
<212> PRT
<213> Homo sapiens

<400> 15
Val Asn Asn Asp Glu Thr
1 5

<210> 16
<211> 9
<212> PRT
<213> Homo sapiens

<400> 16
Ala Ala Arg Ile Ser Leu Gly Pro Arg
1 5

<210> 17
<211> 27
<212> DNA
<213> Homo sapiens

<400> 17
ttgctgctaa atataaacat tctgttg 27

<210> 18
<211> 18
<212> DNA
<213> Homo sapiens

<400> 18
gagcttctgt taataatg

18

<210> 19
<211> 27
<212> DNA
<213> Homo sapiens

<400> 19
aacaacgcgc tgctagaatt tctttg

27

<210> 20
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 20
Lys Tyr Lys His Thr Val Val Lys Lys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 21
Lys Tyr Lys His Ser Ala Val Lys Lys
1 5

<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 22
Lys Tyr Lys His Ser Ala Ala Lys Lys
1 5

<210> 23
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 23
Lys Tyr Lys His Ser Val Ala Lys Lys
1 5

<210> 24
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 24
 Val Asn Asn Gln Glu Thr
 1 5

 <210> 25
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 25
 Val Asn Asn Asp Glu Ser
 1 5

 <210> 26
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 26
 Val Asn Asn Gln Glu Ser
 1 5

 <210> 27
 <211> 6
 <212> PRT
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 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 27
 Ala Asn Asn Asp Glu Thr
 1 5

 <210> 28
 <211> 9
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 28
 Ala Ala Arg Ile Ser Ile Gly Pro Arg
 1 5

<210> 29
 <211> 9
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 29
 Ala Ala Arg Ile Ser Val Gly Pro Arg
 1 5

 <210> 30
 <211> 9
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 30
 Ala Ala Arg Ile Thr Leu Gly Pro Arg
 1 5

 <210> 31
 <211> 9
 <212> PRT
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 <220>
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 <400> 31
 Ala Val Arg Ile Ser Leu Gly Pro Arg
 1 5

 <210> 32
 <211> 9
 <212> PRT
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 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 32
 Val Ala Arg Ile Ser Leu Gly Pro Arg
 1 5

 <210> 33
 <211> 9
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

 <400> 33
 Val Val Arg Ile Ser Leu Gly Pro Arg
 1 5

<210> 34
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 34
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys

<210> 35
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 35
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val

<210> 36
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 36
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val

<210> 37
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 37
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

<210> 38
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 38
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His
1 5 10 15

<210> 39
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 39
Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val
1 5 10 15

Val Lys Lys

<210> 40
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 40
Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val Val
1 5 10 15

Lys Lys

<210> 41
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 41
Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val Val Lys
1 5 10 15

Lys

<210> 42
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 42
Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val Val Lys Lys
1 5 10 15

<210> 43
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 43
Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val Val Lys Lys
1 5 10 15

<210> 44
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 44
Met Ile Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 45
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 45
Met Val Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 46
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 46
Met Leu Asp Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 47
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 47
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Thr
1 5 10 15

Val Val Lys Lys
20

<210> 48
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 48
Met Leu Gln Lys Lys Ile Glu Glu Ile Val Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 49
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 49
Met Leu Gln Lys Lys Ile Glu Glu Ile Val Val Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 50
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 50
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Ala Lys Lys
20

<210> 51
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 51
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Ala Ala Lys Lys
20

<210> 52
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 52
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Ala Val Lys Lys
20

<210> 53
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 53
Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Val Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys
20

<210> 54
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 54
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala

<210> 55
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 55
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala

<210> 56
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 56
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg

<210> 57
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 57
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

<210> 58
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 58
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu
1 5 10 15

<210> 59
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 59
Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln Arg
1 5 10 15

Ala Ala Arg

<210> 60
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 60
Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln Arg Ala
1 5 10 15

Ala Arg

<210> 61
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 61
Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln Arg Ala Ala
1 5 10 15

Arg

<210> 62
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 62
Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln Arg Ala Ala Arg
1 5 10 15

<210> 63
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 63
Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln Arg Ala Ala Arg
1 5 10 15

<210> 64
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 64
Cys Cys Tyr Gln Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 65
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 65
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Gln Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 66
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 66
Cys Cys Tyr Gln Gly Ala Ser Val Asn Asn Gln Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 67
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 67
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Ser Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 68
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 68
Cys Cys Tyr Asp Gly Ala Thr Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 69
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 69
Cys Cys Tyr Asp Gly Val Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 70
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 70
Cys Cys Tyr Asp Gly Ala Ser Ala Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
20

<210> 71
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 71
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Val Ala Arg
20

<210> 72
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 72
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Val Val Arg
20

<210> 73
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 73
Cys Cys Tyr Asp Gly Ala Ser Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Val Arg
20

<210> 74
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 74
Cys Cys Tyr Asp Gly Val Ser Ala Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Val Val Arg
20

<210> 75
 <211> 20
 <212> PRT
 <213> Mus musculus x Rattus norvegicus

 <400> 75
 Cys Thr Ile Ala Asp Lys Ile Arg Lys Glu Ser His His Lys Gly Met
 1 5 10 15
 Leu Leu Gly Arg
 20

 <210> 76
 <211> 60
 <212> DNA
 <213> Mus musculus x Rattus norvegicus

 <400> 76
 tgtactattg cggataagat ccgaaaagaa agccaccaca aaggcatgct gttgggaagg 60

 <210> 77
 <211> 74
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (27)
 <223> The amino acid at this position can be Cysteine or
 Serine.

 <400> 77
 Met Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
 1 5 10 15
 Val Val Lys Lys Cys Cys Tyr Asp Gly Ala Xaa Val Asn Asn Asp Glu
 20 25 30
 Thr Cys Glu Gln Arg Ala Ala Arg Ile Ser Leu Gly Pro Arg Cys Ile
 35 40 45
 Lys Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg Ala Asn
 50 55 60
 Ile Ser His Lys Asp Met Gln Leu Gly Arg
 65 70

 <210> 78
 <211> 20
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (15)
 <223> The amino acid at this position can be Cysteine or
 Serine.

<400> 78
 Tyr Lys His Ser Val Val Lys Lys Cys Cys Tyr Asp Gly Ala Xaa Val
 1 5 10 15

Asn Asn Asp Glu
 20

<210> 79
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> The amino acid at this position can be Cysteine or Serine.

<400> 79
 Cys Cys Tyr Asp Gly Ala Xaa Val Asn Asn Asp Glu Thr Cys Glu Gln
 1 5 10 15

Arg Ala Ala Arg
 20

<210> 80
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 80
 Asp Glu Thr Cys Glu Gln Arg Ala Ala Arg Ile Ser Leu Gly Pro Arg
 1 5 10 15

Cys Ile Lys Ala
 20

<210> 81
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 81
 Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
 1 5 10 15

Arg Ala Ala Arg
 20

<210> 82
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 82
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 ttaaaaaatg ttgttatgat ggagcttctg ttaataatga tgaaacctgc gaacaacgcg 120
 ctgctagaat ttctttggga cctagatgta ttaaagcatt tacagaatgt tgtgtgttg 180
 cttctcaatt gagagcgaat atttctcata aagatatgca attgggaaga taggatccgt 240
 cga 243